



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 5

Test Date: March 2009
Code: 12161562
SAU: MSAD 22
School: Leroy H Smith School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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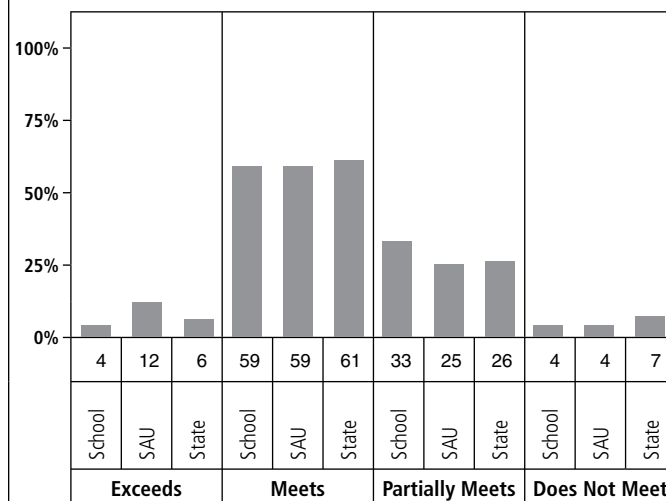
SUMMARY OF SCORES

Test Date: March 2009
Grade: 5
SAU: MSAD 22
School: Leroy H Smith School

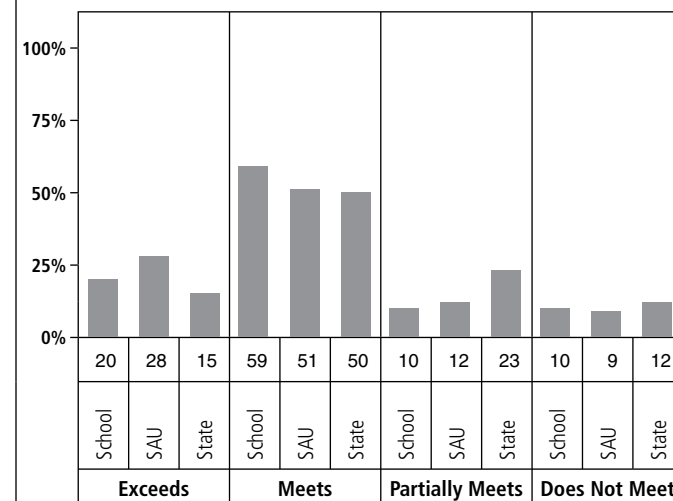
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	544	548	544
2007–2008	540	547	545
2008–2009	545	548	546
Cum. Avg.*	543	548	545
Mathematics			
2006–2007	546	550	546
2007–2008	546	553	546
2008–2009	549	552	547
Cum. Avg.*	547	552	546
Science			
2008–2009 **	540	545	543

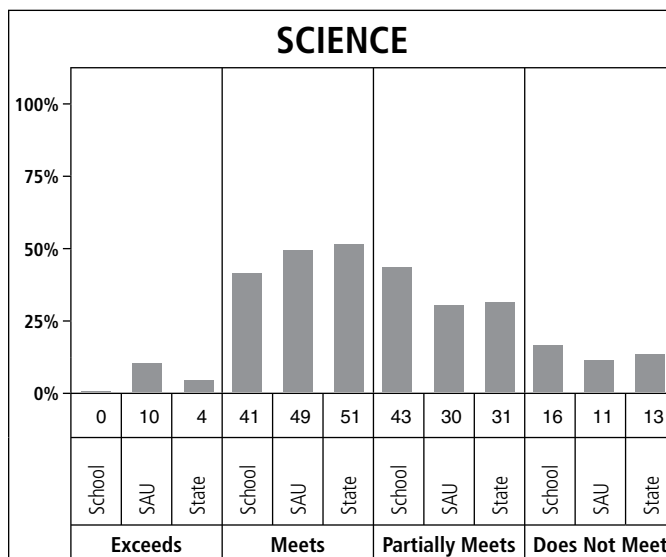
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

**Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 5
SAU: MSAD 22
School: Leroy H Smith School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	49	100	173	100	14212	100	49	100	172	99	14135	100	49	100	173	100	14144	100	49	100	173	100	14137	100
Ethnicity African American/Black	0	0	2	1	397	3	0	0	2	100	388	98	0	0	2	100	393	99	0	0	2	100	389	98
American Indian or Native Alaskan	0	0	1	1	110	1	0	0	1	100	110	100	0	0	1	100	110	100	0	0	1	100	110	100
Asian or Pacific Islander	0	0	2	1	259	2	0	0	2	100	253	98	0	0	2	100	258	100	0	0	2	100	257	99
Hispanic	0	0	1	1	175	1	0	0	1	100	172	99	0	0	1	100	172	99	0	0	1	100	173	99
Caucasian/White	49	100	167	97	13271	93	49	100	166	99	13212	100	49	100	167	100	13211	100	49	100	167	100	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	16	33	45	26	2479	17	16	100	45	100	2454	100	16	100	45	100	2455	100	16	100	45	100	2451	99
Current LEP	0	0	0	0	374	3	0	0	0	0	359	96	0	0	0	0	370	99	0	0	0	0	366	98
Economically disadvantaged	19	39	40	23	5848	41	19	100	40	100	5815	100	19	100	40	100	5819	100	19	100	40	100	5812	100
Migrant	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	31	63	118	68	10849	76	31	63	119	69	10872	76	31	63	119	69	10976	77
Identified disability (PET/IEP)	2	6	4	3	298	3	2	6	4	3	307	3	2	6	4	3	338	3
LEP	0	0	0	0	170	2	0	0	0	0	169	2	0	0	0	0	177	2
504 plan	2	6	3	3	123	1	2	6	3	3	121	1	2	6	3	3	126	1
Participation with accommodations	18	37	52	30	3122	22	18	37	51	29	3124	22	18	37	51	29	3019	21
Identified disability (PET/IEP)	14	78	39	75	1992	64	14	78	38	75	2000	64	14	78	38	75	1971	65
LEP	0	0	0	0	184	6	0	0	0	0	196	6	0	0	0	0	184	6
504 plan	0	0	0	0	84	3	0	0	0	0	86	3	0	0	0	0	81	3
Other	4	22	13	25	907	29	4	22	13	25	886	28	4	22	13	25	826	27
Participation through alternate assessment (PAAP)	0	0	2	1	164	1	0	0	3	2	148	1	0	0	3	2	142	1
Identified disability (PET/IEP)	0	0	2	100	164	100	0	0	3	100	148	100	0	0	3	100	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	19	0	0	0	0	0	19	0	0	0	0	0	20	0
Non-participation – other	0	0	1	1	58	0	0	0	0	0	49	0	0	0	0	0	55	0

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 22
School: Leroy H Smith School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007	2	4	20	12	702	5
	2007-2008	0	0	12	8	659	5
	2008-2009	2	4	21	12	836	6
	Cum. Total*	4	3	53	11	2197	5
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 542–560)	2006-2007	24	52	97	59	7730	55
	2007-2008	24	53	89	61	8195	58
	2008-2009	29	59	101	59	8495	61
	Cum. Total*	77	55	287	60	24420	58
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 532–540)	2006-2007	17	37	40	24	4182	30
	2007-2008	11	24	29	20	3800	27
	2008-2009	16	33	42	25	3667	26
	Cum. Total*	44	31	111	23	11649	28
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 500–530)	2006-2007	3	7	8	5	1419	10
	2007-2008	10	22	15	10	1362	10
	2008-2009	2	4	6	4	973	7
	Cum. Total*	15	11	29	6	3754	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	30.2	62.9	32.3	67.3	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	24	50	14.6	60.8	15.7	65.4	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	24	50	15.6	65.0	16.6	69.2	15.8	65.8

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 22
School: Leroy H Smith School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	49	2	4	29	59	16	33	2	4	545	170	12	59	25	4	548	13971	6	61	26	7	546
Ethnicity																						
African American/Black	0										2						381	2	44	31	23	540
American Indian or Native Alaskan	0										1						110	0	48	38	14	541
Asian or Pacific Islander	0										2						252	11	58	21	11	547
Hispanic	0										1						166	4	54	32	10	543
Caucasian/White	49	2	4	29	59	16	33	2	4	545	164	12	60	25	4	548	13062	6	62	26	6	546
Not Reported	0										0						0					
Identified disability																						
Yes	16	1	6	3	19	10	63	2	13	539	43	5	21	60	14	539	2290	0	29	47	23	537
No	33	1	3	26	79	6	18	0	0	548	127	15	72	13	0	551	11681	7	67	22	4	548
Current LEP																						
Yes	0										0						354	1	35	34	30	538
No	49	2	4	29	59	16	33	2	4	545	170	12	59	25	4	548	13617	6	61	26	6	546
Economically disadvantaged																						
Yes	19	0	0	9	47	9	47	1	5	541	40	3	43	48	8	542	5716	2	51	35	12	542
No	30	2	7	20	67	7	23	1	3	547	130	15	65	18	2	550	8255	9	67	20	4	548
Migrant																						
Yes	0										0						8	0	38	25	38	538
No	49	2	4	29	59	16	33	2	4	545	170	12	59	25	4	548	13963	6	61	26	7	546
Gender																						
Female	27	2	7	16	59	8	30	1	4	546	82	13	61	22	4	549	6882	8	62	24	6	547
Male	22	0	0	13	59	8	36	1	5	544	88	11	58	27	3	548	7089	4	60	28	8	545
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	15	0	0	7	47	8	53	0	0	542	26	4	54	42	0	544	1914	1	41	44	14	540
No	34	2	6	22	65	8	24	2	6	546	144	14	60	22	4	549	12057	7	64	23	6	547
Gifted/talented program																						
Yes	6	1	17	5	83	0	0	0	0	557	14	43	57	0	0	561	450	26	72	2	0	557
No	43	1	2	24	56	16	37	2	5	543	156	10	60	27	4	547	13521	5	60	27	7	545

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 22
School: Leroy H Smith School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	6	0	0	1	33	0	0	2	67	530	2	0	25	25	50	533	4	2	40	34	24	540
B. less than one hour	80	1	3	24	62	14	36	0	0	546	79	14	61	23	2	550	70	6	63	26	6	546
C. one to two hours	12	1	17	4	67	1	17	0	0	547	17	7	64	25	4	546	24	7	61	26	6	546
D. more than two hours	2	0	0	0	0	1	100	0	0	536	2	0	50	50	0	543	2	4	42	33	21	541
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	29	2	14	10	71	1	7	1	7	550	29	24	59	12	4	552	36	10	67	18	5	549
B. good	61	0	0	16	53	14	47	0	0	543	52	9	60	30	1	548	47	5	62	27	6	546
C. fair	10	0	0	3	60	1	20	1	20	540	15	4	62	27	8	545	15	2	47	40	12	541
D. poor	0										4	0	67	33	0	544	2	0	30	46	24	537
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	51	2	8	14	56	8	32	1	4	547	42	16	61	20	3	549	31	9	65	20	5	548
B. They match some of what I have learned.	41	0	0	14	70	5	25	1	5	545	49	12	63	23	1	549	55	5	63	27	5	546
C. They match just a little of what I have learned.	4	0	0	1	50	1	50	0	0	539	7	0	50	33	17	541	10	3	45	38	14	542
D. There is no match.	4	0	0	0	0	2	100	0	0	536	2	0	0	100	0	538	3	1	31	41	27	537
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	14	0	0	5	71	2	29	0	0	546	15	4	65	27	4	546	16	3	49	32	15	542
B. about the same as my regular schoolwork	67	1	3	19	58	11	33	2	6	545	64	14	58	25	3	549	64	7	63	25	5	547
C. easier than my regular schoolwork	18	1	11	5	56	3	33	0	0	546	21	14	63	20	3	550	20	5	62	26	7	546
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	8	0	0	2	50	1	25	1	25	538	10	0	35	47	18	539	10	1	33	42	24	538
B. Most of the passages were about the same as what I normally read.	55	0	0	15	56	12	44	0	0	544	49	8	59	33	0	547	52	4	61	29	6	545
C. Most of the passages were easier than what I normally read.	37	2	11	12	67	3	17	1	6	548	40	21	68	9	3	553	38	10	68	18	4	549
How much time do you spend reading at home each day?																						
A. more than one hour	22	1	9	7	64	2	18	1	9	548	19	13	69	16	3	551	20	10	64	21	5	548
B. 20 minutes to an hour	45	1	5	17	77	4	18	0	0	547	57	16	60	23	1	549	56	7	65	24	5	547
C. less than 20 minutes	6	0	0	0	0	3	100	0	0	539	7	8	42	42	8	543	10	3	52	33	12	543
D. I rarely read at home.	27	0	0	5	38	7	54	1	8	541	17	4	57	32	7	545	14	1	46	38	14	541
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	32	0	0	7	47	6	40	2	13	540	23	11	49	32	8	545	25	3	53	33	11	543
B. six to ten pages	23	1	9	7	64	3	27	0	0	549	29	11	66	23	0	549	26	6	61	26	7	546
C. eleven or more pages	45	1	5	14	67	6	29	0	0	547	48	15	62	20	3	550	49	8	65	23	5	547
Optional school/SAU question																						
A.	0										25	0	0	100	0	536						
B.	100	0	0	1	100	0	0	0	0	544	75	0	67	33	0	545						
C.	0										0											
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 22
School: Leroy H Smith School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007	6	13	32	20	1711	12
	2007-2008	8	18	42	29	1617	12
	2008-2009	10	20	47	28	2119	15
	Cum. Total*	24	17	121	25	5447	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 542–560)	2006-2007	22	48	85	52	6778	48
	2007-2008	22	49	77	53	7284	52
	2008-2009	29	59	87	51	7046	50
	Cum. Total*	73	52	249	52	21108	50
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 530–540)	2006-2007	14	30	35	21	3884	28
	2007-2008	9	20	18	12	3341	24
	2008-2009	5	10	20	12	3193	23
	Cum. Total*	28	20	73	15	10418	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 500–528)	2006-2007	4	9	11	7	1683	12
	2007-2008	6	13	8	6	1778	13
	2008-2009	5	10	16	9	1638	12
	Cum. Total*	15	11	35	7	5099	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	26.9	56.0	28.8	60.0	25.5	53.1
A. Number	18	38	10.2	56.7	11.2	62.2	9.8	54.4
B. Data	10	21	5.7	57.0	6.0	60.0	5.2	52.0
C. Geometry	10	21	5.1	51.0	5.3	53.0	4.7	47.0
D. Algebra	10	21	5.9	59.0	6.4	64.0	5.7	57.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 22
School: Leroy H Smith School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	49	10	20	29	59	5	10	5	10	549	170	28	51	12	9	552	13996	15	50	23	12	547
Ethnicity																						
African American/Black	0										2						385	6	35	28	30	537
American Indian or Native Alaskan	0										1						110	5	42	34	20	540
Asian or Pacific Islander	0										2						257	19	50	20	12	548
Hispanic	0										1						166	9	43	31	17	543
Caucasian/White	49	10	20	29	59	5	10	5	10	549	164	27	51	12	10	552	13078	15	51	23	11	547
Not Reported	0										0						0					
Identified disability																						
Yes	16	1	6	7	44	3	19	5	31	539	42	5	40	24	31	538	2307	3	32	32	33	536
No	33	9	27	22	67	2	6	0	0	554	128	35	55	8	2	556	11689	17	54	21	8	549
Current LEP																						
Yes	0										0						365	5	33	30	32	536
No	49	10	20	29	59	5	10	5	10	549	170	28	51	12	9	552	13631	15	51	23	11	547
Economically disadvantaged																						
Yes	19	0	0	13	68	4	21	2	11	542	40	10	55	18	18	544	5731	7	46	29	18	542
No	30	10	33	16	53	1	3	3	10	554	130	33	50	10	7	554	8265	21	53	19	7	550
Migrant																						
Yes	0										0						8	0	38	50	13	540
No	49	10	20	29	59	5	10	5	10	549	170	28	51	12	9	552	13988	15	50	23	12	547
Gender																						
Female	27	4	15	17	63	3	11	3	11	549	82	28	52	9	11	552	6889	14	51	23	12	546
Male	22	6	27	12	55	2	9	2	9	550	88	27	50	15	8	551	7107	16	50	23	11	547
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	15	2	13	10	67	3	20	0	0	549	26	15	65	15	4	550	1918	3	39	36	22	539
No	34	8	24	19	56	2	6	5	15	549	144	30	49	11	10	552	12078	17	52	21	10	548
Gifted/talented program																						
Yes	6	6	100	0	0	0	0	0	0	569	14	93	7	0	0	570	450	64	34	2	0	564
No	43	4	9	29	67	5	12	5	12	547	156	22	55	13	10	550	13546	14	51	23	12	546

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 22
School: Leroy H Smith School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	6	0	0	1	33	0	0	2	67	531	2	0	50	0	50	536	4	8	38	26	28	539
B. less than one hour	80	9	23	22	56	5	13	3	8	550	79	31	50	13	6	553	70	15	52	23	10	547
C. one to two hours	12	1	17	5	83	0	0	0	0	553	17	18	61	11	11	551	24	15	51	23	11	547
D. more than two hours	2	0	0	1	100	0	0	0	0	554	2	25	25	0	50	547	2	9	37	24	30	539
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	35	9	53	6	35	2	12	0	0	557	38	51	38	6	5	558	34	28	50	14	8	552
B. good	41	1	5	16	80	1	5	2	10	548	42	20	57	17	6	551	45	11	54	24	10	546
C. fair	18	0	0	6	67	1	11	2	22	541	18	3	67	7	23	544	18	3	45	33	19	540
D. poor	6	0	0	1	33	1	33	1	33	537	3	0	60	20	20	545	3	1	29	41	29	535
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	47	5	22	16	70	1	4	1	4	551	50	35	57	6	2	557	38	22	52	19	7	550
B. They match some of what I have learned.	39	5	26	10	53	3	16	1	5	552	40	25	49	18	7	551	48	12	53	24	11	546
C. They match just a little of what I have learned.	10	0	0	2	40	1	20	2	40	536	8	7	36	21	36	538	11	6	40	30	24	540
D. There is no match.	4	0	0	1	50	0	0	1	50	532	2	0	25	0	75	524	3	6	26	29	38	534
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	18	2	22	5	56	0	0	2	22	548	14	30	43	4	22	548	17	7	42	30	21	540
B. about the same as my regular schoolwork	61	6	20	17	57	5	17	2	7	549	63	24	53	16	8	551	64	15	53	23	10	547
C. easier than my regular schoolwork	20	2	20	7	70	0	0	1	10	551	24	38	53	5	5	557	19	24	49	17	10	550
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	4	0	0	1	50	0	0	1	50	532	4	14	57	0	29	539	7	6	39	27	27	539
B. 30–45 minutes	16	0	0	6	75	1	13	1	13	546	12	5	57	19	19	544	28	9	49	28	15	544
C. 45–60 minutes	14	2	29	4	57	1	14	0	0	553	15	23	54	15	8	551	41	17	53	21	9	548
D. more than 60 minutes	65	8	25	18	56	3	9	3	9	551	68	34	50	10	6	555	24	21	51	20	8	549
How often do you use calculators in mathematics class?																						
A. almost every day	0										4	33	50	0	17	550	6	14	43	24	20	543
B. two or three days a week	22	2	18	8	73	0	0	1	9	553	40	30	52	12	6	555	24	17	52	21	10	548
C. two or three times each month	55	7	26	13	48	3	11	4	15	547	42	31	51	7	11	552	33	17	52	21	9	548
D. never or almost never	22	1	9	8	73	2	18	0	0	550	15	12	52	28	8	546	38	12	49	25	14	545
How often do you use hands-on materials in mathematics class?																						
A. almost every day	20	2	20	5	50	1	10	2	20	547	31	23	56	13	8	552	23	13	47	26	15	545
B. two or three days a week	43	6	29	12	57	1	5	2	10	553	36	30	52	7	11	552	31	17	52	21	10	548
C. two or three times each month	27	1	8	9	69	2	15	1	8	545	20	35	44	18	3	554	27	17	52	21	10	548
D. never or almost never	10	1	20	3	60	1	20	0	0	550	13	23	50	14	14	550	20	12	50	24	14	545
Optional school/SAU question																						
A.	0										25	0	100	0	0	560						
B.	100	0	0	1	100	0	0	0	0	548	75	0	67	33	0	543						
C.	0										0											
D.	0										0											

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N = Number

SCIENCE RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 22
School: Leroy H Smith School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	0	0	17	10	626	4
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	20	41	84	49	7187	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	21	43	51	30	4364	31
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	8	16	18	11	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	48	100	27.5	57.3	30.4	63.3	29.2	60.8
D. The Physical Setting	24	50	11.9	49.6	13.7	57.1	12.9	53.8
E. The Living Environment	24	50	15.6	65.0	16.7	69.6	16.3	67.9

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 22
School: Leroy H Smith School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	49	0	0	20	41	21	43	8	16	540	170	10	49	30	11	545	13995	4	51	31	13	543
Ethnicity																						
African American/Black	0										2						382	2	31	32	35	535
American Indian or Native Alaskan	0										1						110	3	36	35	26	538
Asian or Pacific Islander	0										2						256	5	51	27	17	542
Hispanic	0										1						167	1	40	37	22	539
Caucasian/White	49	0	0	20	41	21	43	8	16	540	164	10	49	30	11	545	13080	5	52	31	12	544
Not Reported	0										0						0					
Identified disability																						
Yes	16	0	0	3	19	6	38	7	44	533	42	5	19	45	31	535	2309	2	29	39	29	536
No	33	0	0	17	52	15	45	1	3	544	128	12	59	25	4	549	11686	5	56	30	10	545
Current LEP																						
Yes	0										0						361	1	23	32	44	533
No	49	0	0	20	41	21	43	8	16	540	170	10	49	30	11	545	13634	5	52	31	12	544
Economically disadvantaged																						
Yes	19	0	0	5	26	10	53	4	21	537	40	3	35	50	13	540	5729	2	42	37	20	539
No	30	0	0	15	50	11	37	4	13	543	130	12	54	24	10	547	8266	6	58	27	8	546
Migrant																						
Yes	0										0						8	0	25	13	63	530
No	49	0	0	20	41	21	43	8	16	540	170	10	49	30	11	545	13987	4	51	31	13	543
Gender																						
Female	27	0	0	12	44	12	44	3	11	541	82	9	50	29	12	545	6886	4	49	33	14	542
Male	22	0	0	8	36	9	41	5	23	539	88	11	49	31	9	546	7109	5	54	29	12	544
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	15	0	0	4	27	8	53	3	20	539	26	12	31	42	15	544	1917	1	31	41	28	536
No	34	0	0	16	47	13	38	5	15	541	144	10	53	28	10	546	12078	5	55	30	11	544
Gifted/talented program																						
Yes	6	0	0	5	83	1	17	0	0	552	14	21	71	7	0	556	450	25	72	2	1	557
No	43	0	0	15	35	20	47	8	19	539	156	9	47	32	12	544	13545	4	51	32	13	543

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NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 22
School: Leroy H Smith School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	6	0	0	0	0	1	33	2	67	525	2	0	0	50	50	527	4	2	37	35	25	538
B. less than one hour	80	0	0	16	41	17	44	6	15	541	79	10	53	29	9	547	70	4	53	31	12	544
C. one to two hours	12	0	0	4	67	2	33	0	0	545	17	14	43	29	14	544	24	5	51	31	12	544
D. more than two hours	2	0	0	0	0	1	100	0	0	534	2	0	25	75	0	538	2	4	39	31	26	539
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	22	0	0	2	18	7	64	2	18	538	22	19	41	27	14	547	26	7	56	26	11	545
B. good	59	0	0	15	52	10	34	4	14	542	57	8	55	29	8	547	53	4	53	31	11	544
C. fair	18	0	0	3	33	4	44	2	22	538	18	7	40	40	13	541	18	2	41	39	17	540
D. poor	0										3	0	60	20	20	541	3	1	33	36	30	536
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	24	0	0	5	42	6	50	1	8	541	21	11	56	25	8	548	23	5	56	28	11	544
B. They match some of what I have learned.	41	0	0	6	30	9	45	5	25	538	50	12	46	31	12	545	48	5	52	31	12	544
C. They match just a little of what I have learned.	27	0	0	9	69	3	23	1	8	546	21	8	61	25	6	547	23	4	49	33	14	543
D. There is no match.	8	0	0	0	0	3	75	1	25	536	7	0	17	58	25	535	6	3	40	34	23	539
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	29	0	0	9	64	5	36	0	0	547	25	5	62	31	2	547	23	5	48	31	16	543
B. about the same as my regular schoolwork	61	0	0	11	37	12	40	7	23	538	62	12	46	29	14	545	58	4	52	32	12	543
C. easier than my regular schoolwork	10	0	0	0	0	4	80	1	20	535	13	14	41	32	14	544	19	6	53	29	11	544
How often do you have science classes?																						
A. every day	24	0	0	7	58	3	25	2	17	542	33	11	60	18	11	546	33	5	51	31	14	543
B. a few times a week	47	0	0	10	43	11	48	2	9	543	38	11	48	33	8	547	45	4	52	32	11	544
C. once a week	16	0	0	2	25	4	50	2	25	538	5	0	22	56	22	538	8	4	50	30	16	542
D. a few times a month	12	0	0	1	17	3	50	2	33	533	24	10	41	37	12	543	15	4	52	30	14	543
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	41	0	0	10	50	8	40	2	10	542	21	0	57	34	9	543	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	14	0	0	0	0	4	57	3	43	531	18	3	26	48	23	537	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	35	0	0	8	47	6	35	3	18	543	46	19	49	23	9	549	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	10	0	0	2	40	3	60	0	0	542	15	4	68	24	4	548	21	6	58	27	10	545
How often do you make observations and collect data in science class?																						
A. a few times a week	43	0	0	8	38	9	43	4	19	540	51	10	52	30	7	547	47	4	51	32	12	543
B. a few times a month	37	0	0	7	39	9	50	2	11	541	25	9	49	26	16	545	27	5	54	30	11	544
C. once a month	8	0	0	0	0	2	50	2	50	529	14	13	33	42	13	542	10	5	49	30	15	543
D. never or almost never	12	0	0	5	83	1	17	0	0	549	9	6	56	25	13	545	15	3	48	32	16	542
How often do you use observations and data to support your idea about science?																						
A. a few times a week	49	0	0	9	38	9	38	6	25	539	51	14	51	24	10	547	46	4	52	32	12	543
B. a few times a month	29	0	0	5	36	9	64	0	0	543	28	4	49	38	9	544	28	5	53	30	12	544
C. once a month	12	0	0	2	33	2	33	2	33	533	12	5	45	30	20	540	11	4	47	34	15	542
D. never or almost never	10	0	0	4	80	1	20	0	0	550	9	13	44	38	6	546	15	4	50	30	16	542
Optional school/SAU question																						
A.	0										25	0	100	0	0	548						
B.	100	0	0	0	0	1	100	0	0	536	75	0	67	33	0	545						
C.	0										0											
D.	0										0											

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N = Number